

1647

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/323,854

DATE: 11/16/2000  
TIME: 19:18:14

Input Set : A:\79997124.app  
Output Set : N:\CRF3\11162000\I323854.raw

3 <110> APPLICANT: TAM, CHERK SHING  
5 <120> TITLE OF INVENTION: BONE STIMULATING FACTOR  
7 <130> FILE REFERENCE: 079997/0124  
9 <140> CURRENT APPLICATION NUMBER: 09/323,854  
10 <141> CURRENT FILING DATE: 1999-06-02  
12 <150> PRIOR APPLICATION NUMBER: PCT/CA97/00967  
13 <151> PRIOR FILING DATE: 1997-12-11  
15 <150> PRIOR APPLICATION NUMBER: 08/763,458  
16 <151> PRIOR FILING DATE: 1996-12-11  
18 <150> PRIOR APPLICATION NUMBER: PCT/CA96/00401  
19 <151> PRIOR FILING DATE: 1996-06-07  
21 <160> NUMBER OF SEQ ID NOS: 63  
23 <170> SOFTWARE: PatentIn Ver. 2.1  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 36  
27 <212> TYPE: PRT  
28 <213> ORGANISM: Artificial Sequence  
30 <220> FEATURE:  
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
32 derived from Rattus sp.  
34 <400> SEQUENCE: 1  
35 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys  
36 1 5 10 15  
38 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp  
39 20 25 30  
41 Gln Asn Gln Pro  
42 35  
45 <210> SEQ ID NO: 2  
46 <211> LENGTH: 36  
47 <212> TYPE: PRT  
48 <213> ORGANISM: Artificial Sequence  
50 <220> FEATURE:  
51 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
52 derived from Rattus sp.  
54 <220> FEATURE:  
55 <221> NAME/KEY: MOD\_RES  
56 <222> LOCATION: (1)  
57 <223> OTHER INFORMATION: N-acetyl glycine  
59 <400> SEQUENCE: 2  
60 Xaa Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys  
61 1 5 10 15  
63 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp  
64 20 25 30  
66 Gln Asn Gln Pro  
67 35  
70 <210> SEQ ID NO: 3  
71 <211> LENGTH: 36

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72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
77   derived from Rattus sp.
79 <400> SEQUENCE: 3
80 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Ala Lys Ile Lys
81   1                               5                               10                               15
83 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp
84   20                               25                               30
86 Gln Asn Gln Pro
87   35
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 30
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
97   derived from Rattus sp.
99 <400> SEQUENCE: 4
100 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
101   1                               5                               10                               15
103 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val
104   20                               25                               30
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 25
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
114   derived from Rattus sp.
116 <400> SEQUENCE: 5
117 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
118   1                               5                               10                               15
120 Pro Asn Thr Leu His Lys Lys Ala Ala
121   20                               25
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 20
126 <212> TYPE: PRT
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
131   derived from Rattus sp.
133 <400> SEQUENCE: 6
134 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys
135   1                               5                               10                               15
137 Pro Asn Thr Leu
138   20
141 <210> SEQ ID NO: 7

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142 <211> LENGTH: 15  
 143 <212> TYPE: PRT  
 144 <213> ORGANISM: Artificial Sequence  
 146 <220> FEATURE:  
 147 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
 148 derived from Rattus sp.  
 150 <400> SEQUENCE: 7  
 151 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile  
 152 1 5 10 15  
 155 <210> SEQ ID NO: 8  
 156 <211> LENGTH: 14  
 157 <212> TYPE: PRT  
 158 <213> ORGANISM: Artificial Sequence  
 160 <220> FEATURE:  
 161 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
 162 derived from Rattus sp.  
 164 <400> SEQUENCE: 8  
 165 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys  
 166 1 5 10  
 169 <210> SEQ ID NO: 9  
 170 <211> LENGTH: 10  
 171 <212> TYPE: PRT  
 172 <213> ORGANISM: Artificial Sequence  
 174 <220> FEATURE:  
 175 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
 176 derived from Rattus sp.  
 178 <400> SEQUENCE: 9  
 179 Arg Thr Asn Glu His Thr Ala Asp Cys Lys  
 180 1 5 10  
 183 <210> SEQ ID NO: 10  
 184 <211> LENGTH: 16  
 185 <212> TYPE: PRT  
 186 <213> ORGANISM: Artificial Sequence  
 188 <220> FEATURE:  
 189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
 190 derived from Rattus sp.  
 192 <400> SEQUENCE: 10  
 193 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln Asn Gln  
 194 1 5 10 15  
 197 <210> SEQ ID NO: 11  
 198 <211> LENGTH: 15  
 199 <212> TYPE: PRT  
 200 <213> ORGANISM: Artificial Sequence  
 202 <220> FEATURE:  
 203 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
 204 derived from Rattus sp.  
 206 <400> SEQUENCE: 11  
 207 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln Asn  
 208 1 5 10 15

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211 <210> SEQ ID NO: 12
212 <211> LENGTH: 14
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
218     derived from Rattus sp.
220 <400> SEQUENCE: 12
221 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln
222   1                               5               10
225 <210> SEQ ID NO: 13
226 <211> LENGTH: 13
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
232     derived from Rattus sp.
234 <400> SEQUENCE: 13
235 Leu His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp
236   1                               5               10
239 <210> SEQ ID NO: 14
240 <211> LENGTH: 23
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
246     derived from Rattus sp.
248 <400> SEQUENCE: 14
249 Thr Ala Asp Cys Lys Ile Lys Pro Asn Thr Leu His Lys Lys Ala Ala
250   1                               5               10               15
252 Glu Thr Leu Met Val Leu Asp
253   20
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 30
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide
263     derived from Rattus sp.
265 <400> SEQUENCE: 15
266 Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys Pro Asn Thr Leu
267   1                               5               10               15
269 His Lys Lys Ala Ala Glu Thr Leu Met Val Leu Asp Gln Asn
270   20               25               30
273 <210> SEQ ID NO: 16
274 <211> LENGTH: 11
275 <212> TYPE: PRT
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:

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279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic polypeptide  
280 derived from Rattus sp.  
282 <400> SEQUENCE: 16  
283 Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile  
284 1 5 10  
287 <210> SEQ ID NO: 17  
288 <211> LENGTH: 90  
289 <212> TYPE: DNA  
290 <213> ORGANISM: Artificial Sequence  
292 <220> FEATURE:  
293 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA derived  
294 from Rattus sp.  
296 <220> FEATURE:  
297 <221> NAME/KEY: CDS  
298 <222> LOCATION: (1)..(90)  
300 <400> SEQUENCE: 17  
301 ggg atc gga aaa cga aca aat gaa cat acg gca gat tgt aaa att aaa 48  
302 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys  
303 1 5 10 15 90  
305 ccg aac acc ttg cat aaa aaa gct gca gaa act tta atg gtc  
306 Pro Asn Thr Leu His Lys Lys Ala Ala Glu Thr Leu Met Val  
307 20 25 30  
310 <210> SEQ ID NO: 18  
311 <211> LENGTH: 75  
312 <212> TYPE: DNA  
313 <213> ORGANISM: Artificial Sequence  
315 <220> FEATURE:  
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA derived  
317 from Rattus sp.  
319 <220> FEATURE:  
320 <221> NAME/KEY: CDS  
321 <222> LOCATION: (1)..(75)  
323 <400> SEQUENCE: 18  
324 ggg atc gga aaa cga aca aat gaa cat acg gca gat tgt aaa att aaa 48  
325 Gly Ile Gly Lys Arg Thr Asn Glu His Thr Ala Asp Cys Lys Ile Lys  
326 1 5 10 15 75  
328 ccg aac acc ttg cat aaa aaa gct gca  
329 Pro Asn Thr Leu His Lys Lys Ala Ala  
330 20 25  
333 <210> SEQ ID NO: 19  
334 <211> LENGTH: 60  
335 <212> TYPE: DNA  
336 <213> ORGANISM: Artificial Sequence  
338 <220> FEATURE:  
339 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA derived  
340 from Rattus sp.  
342 <220> FEATURE:  
343 <221> NAME/KEY: CDS  
344 <222> LOCATION: (1)..(60)

PJT:

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

11/16/00

## VERIFICATION SUMMARY

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TIME: 19:18:15

Input Set : A:\79997124.app

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L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:751 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44  
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:1249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63